



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० ४७]

नई दिल्ली, शनिवार, नवम्बर २०, १९९९ (कार्तिक २९, १९२१)

No. 47] NEW DELHI, SATURDAY, NOVEMBER 20, 1999 (KARTIKA 29, 1921)

इस सामग्रे में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड २  
[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस  
(Notifications and Notices Issued by the Patent Office relating to Patents and Designs)

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Calcutta, the 20th November 1999

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Telegraphic address "PATENTOFIC"  
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"NIZAM PALACE", 2nd M.S.O.  
Building, 5th, 6th & 7th  
Floors, 234/4, Acharya Jagadish  
Bose Road, Calcutta-700 029.

Rest of India.

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पेटेंट कार्यालय  
एकस्व तथा अभिकल्प  
कलकत्ता दिनांक 20 नवम्बर 1999

पेटेंट कार्यालय के कार्यालयों के पते एवं अधिकारीकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवैस्थत है तथा मुम्हाइ, दिल्ली एवं चैन्नई में इसके शास्त्र कार्यालय हैं, जिनके प्रदौषिक अधिकारी जीन के आधार पर निम्न रूप में प्रशिक्षित हैं :—

पेटेंट कार्यालय शास्त्रा, टोडी हस्टल,  
तीसरा तल, लोबर परले (प.),  
मुम्हाइ-400 013.

गुजरात, महाराष्ट्र, मध्य प्रदेश  
तथा गोआ राज्य क्षेत्र एवं संघ  
शासित क्षेत्र, दमन तथा दीव एवं  
दादर और नगर हवेली।

तार पता-“पेटेंटफ़िल्स”  
फोन : 4825092 फैक्स : 0224950622

पेटेंट कार्यालय शास्त्रा,  
एकक सं. 401 से 405, तीसरा तल  
मगारपालिका बाजार भवन,  
सरस्वती मार्ग, करोल बाग,  
मुम्हाइ-110 005.

हायाण, हिमाचल प्रदेश, जम्मू  
तथा कश्मीर, पंजाब, राजस्थान,  
ज्ञान प्रदेश तथा दिल्ली राज्य  
एवं एवं संघ शासित क्षेत्र चंडीगढ़।

तार पता - “पेटेंटफ़िल्स”  
फोन : 5782532 फैक्स : 011-5766204

ALTERATION OF DATES UNDER SECTION 16

183329  
(1035/Cal/97) Antidated to 7th December, 1933.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate alongwith evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

पेटेंट कार्यालय शास्त्रा,  
विंग सी (सी-4, ए),  
तीसरा तल, राजाजी भवन, बस्ते नगर,  
मुम्हाइ-600090।

आन्ध्र प्रदेश, कर्नाटक, करेल, तमिलनाडू  
तथा पाण्डिचेरी राज्य क्षेत्र एवं  
संघ शासित क्षेत्र, लक्ष्मीपुर, मिनिकाल  
तथा एम्बिनिदित द्वीप।

तार पता-“पेटेंटफ़िल्स”

फोन : 4901495 फैक्स : 044-4901492

पेटेंट कार्यालय (प्रधान कार्यालय)  
निजाम पैलेस, दिवतीय बहुतलीय कार्यालय  
भवन, 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस मार्ग,  
कलकत्ता-700 020।

भारत का अवशेष क्षेत्र।

तार पता - “पेटेंट्स”

फोन : 247 4401 फैक्स : 033247 3851

पेटेंट कार्यालय का कलकत्ता स्थित प्रधान कार्यालय पेटेंट सहयोग संधि के अधीन अन्तरराष्ट्रीय आवेदनों के लिए रिसीविंग कार्यालय, इलेक्ट्रॉन कार्यालय व डॉस्ट्रेटर एवं स्ट्रेटर एवं

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 1999 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा अपेक्षित सभी आवेदन, सूचनाएँ, विवरण या उन्न दस्तावेज या कोइ फैल पेटेंट कार्यालय के केवल सभूक्ष कार्यालय में ही ग्रहण किये जायेंगे।

अन्तक : शृंखले की अदायगी या तो नकद की जागी अथवा जहां उपयोग कार्यालय अवैस्थत है उस स्थान के अनुसन्धान वैक से नियंत्रक को भूगतान योग्य बैंक ड्राइट अथवा चैक द्वारा की जा सकती है।

The Classification given below in respect of each specification are according to Indian Classification and International Classification Systems.

Printed copies of the specification and drawings, if any, can be supplied by the Patent Office or its branch offices on payment of prescribed charges of Rs. 30/- each.

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स्वीकृत सम्पूर्ण विविहारण

एलेक्ट्रॉन यह सूचना दी जाती है कि संबूध आवेदनों में से किसी पर पेटेंट अनुशासन के विवेच करने के इच्छुक व्यक्ति, इसके नियम की तिथि से चार (4) महीने या अधिक एसी इकाइ औ उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विविहार प्रूप 4 पर अग्र आवैदत

हो, एक महीने की वर्षभिं से अधिक न हो, के भीतर कभी भी नियम-  
क्रम एकस्वरुप कार्यालय में ऐसे विरोध को सूचना दियीहोत  
प्रैलप 7 पर दे सकते हैं। विरोध संबंधी लिखित वकालत वा  
प्रतियोगी में साक्ष्य के साथ, यदि क्यों हो, उक्त सूचना के साथ  
या पैटेंट (संविधान) नियम, 1999 द्वारा संशोधित नियम-36  
के तहत यथाविधित संस्करण के रिटायर से 60 दिन के भीतर  
फैर्स्ट कर दिए जाने चाहिए।

प्रत्येक विनिर्देश के संदर्भ में नीचे दिये गयीकरण, भारतीय  
वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के फूलरूप हैं।

विनिर्देश स्थान वित्र आरेख, यदि कोइहो हो, की अंकित  
प्रतियोगी की आपूर्ति पैटेंट कार्यालय या उसके बास्तव कार्यालयों से  
यथाविधित 30 रुपए प्रति की अदायगी पर की जा सकती है।

ऐसी परिस्थिति में जब विनिर्देश की अंकित प्रति उत्तरव्य  
नहीं हो, विनिर्देश स्थान वित्र आरेख, यदि कोइहो हो, की फौटो  
प्रतियोगी की आपूर्ति पैटेंट कार्यालय या उसके बास्तव कार्यालयों से  
यथाविधित फौटोग्राफी शुल्क उक्स बस्तारेज के 10 रुपए प्रति पृष्ठ  
धन 30 रुपए की अदायगी पर की जा सकती है।

Cl. : 206 E

183321

Int. Cl.<sup>4</sup> : H 04 Q 07/04

## MOBILE COMMUNICATION UNIT.

Applicant : MATSUSHITA ELECTRIC INDUSTRIAL CO.  
LTD., OF 1006 OAZA KADOMA, KADOMA-SHI, OSAKA,  
JAPAN.

Inventors : OSAMU KATO, NOBUO ASANO.

Application No. 530/Cal/94 filed on 5th July, 1994.

Appropriate Office for Opposition Proceedings (Rule 4,  
Patents Rule, 1972), Patent Office, Calcutta.

## 1 Claim

A mobile communication unit of a code division multiple access type for carrying out communications by allocating  $m$  spread codes, obtained by multiplying  $m$  orthogonal spread codes by a pseudo-noise code, to  $m$  channels respectively and allocating  $n$  channels to one user where  $1 < n \leq m$ , characterized in that said unit comprises :

a transmitter for transmitting a transmission signal, comprising :

error correction coding means (44) for receiving user information data of the user, generating error correction codes for said user information data to obtain a high rate data stream including said user information data and said error correction codes, and separating said high-rate data stream into  $n$  low-rate data streams ;

spread modulating means (50a, 50b) for multiplying said  $n$  low-rate data streams by  $n$  spread codes allocated to said  $n$  channels respectively to obtain  $n$  spread data streams ; and

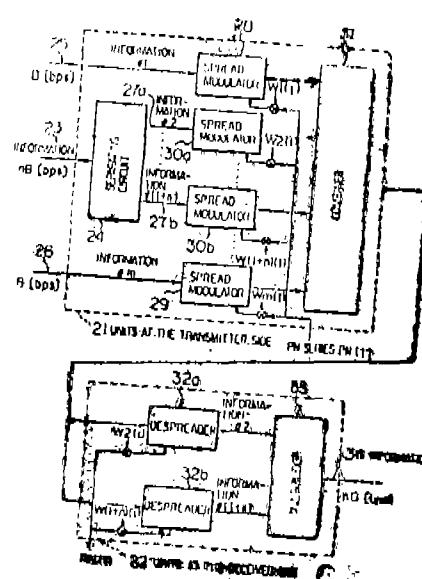
combining means (51) for combining said  $n$  spread data streams so as to obtain the transmission signal ; and

a receiver for receiving the transmission signal from said transmitter, comprising :

despread means (52a, 52b) for despread the transmission signal by using each of said  $n$  spread codes allocated to said  $n$  channels to obtain said  $n$  low-rate data streams ; and

error correction decoding means (53) for combining said  $n$  low-rate data streams to obtain said high-rate data stream and then error-correcting said user information data by using said error correction codes.

FIG. 6



Compl. Specn. 24 pages

Drawns. 5 sheets

Cl. : 32 E

183322

Int. Cl.<sup>4</sup> : C 08 F 2/18 & C 08 G 77/06

IMPROVED PROCESS FOR MAKING LIQUID POLYMERS.

Applicant : DOW CORNING S.A. BELGIAN COMPANY  
OF PARC INDUSTRIEL, B-7180 SENEFFE, BELGIUM.

Inventor : JEAN-MARC GILSON.

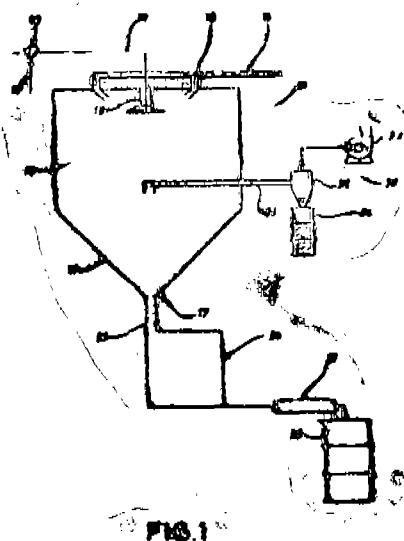
Application No. 957/Cal/94 ; filed on 16-11-1994.

Convention Application No. 9325342.5 on 10-12-93 in U.K.

Appropriate Office for Opposition Proceedings (Rule 4,  
Patents Rules, 1972), Patent Office, Calcutta.

## 18 Claims

An improved process for making liquid polymers, such as herein described, by condensing monomers and/or oligomers, such as herein described, the improvement being characterised in that the monomer and/or oligomer reagents are mixed with an appropriate amount of catalyst, such as herein described where required, are dispersed via an atomising device to form small droplets suspended in a reaction chamber and are caused to polymerise in the dispersed state, and optionally the catalyst is inactivated after the polymerisation and/or by-products of the condensation reaction are removed.

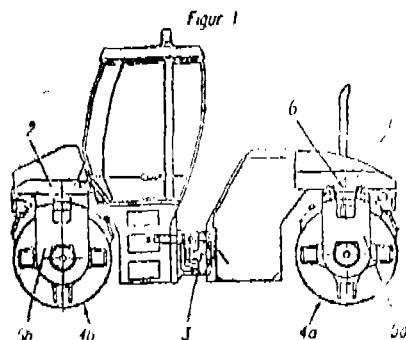


Compl. Specn. 29 pages

Drawns 1 sheet



which of the two steering systems is to be activated by the steering wheel and which of the two steering systems is to be activated by the joystick,



(Compl. Specn. : 9 pages)

Drgns. 2 Sheets.

Cl. : 50 D.

183326

Int. Cl. : F 24 R 11/08.

## AN AIR CONDITIONER SYSTEM.

Applicant : COPELAND CORPORATION, OF CAMPBELL ROAD, SIDNEY, OHIO 45365-0669, UNITED STATES OF AMERICA.

## Inventors :

- (1) VIJAY OMPRAKASH BAHEL,
- (2) HANK EUGENE MILLET,
- (3) MICKEY FRANCIS HICKEY,
- (4) HUNG MANH PHAM,
- (5) GREGORY PAUL HERROON,
- (6) GERALD LEE GRESCHL AND
- (7) JOSEPH BERNARD NIEMANN.

Application No. : 445/Cal/95 filed on 19th April, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

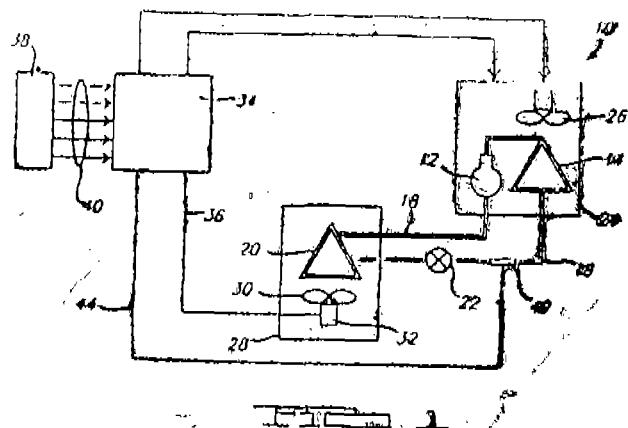
## 06 Claims

An air conditioner system having a compressor (12) for delivering liquid refrigerant through an expansion orifice (22), with an inlet side and an outlet side into an indoor heat exchanger (20), an optimised forced air heat exchanging system (10) comprising :

an fan (32) positioned in said heat pump and said air conditioner to direct indoor air flow into heat exchange contact with said heat exchanger, said fan having at least two speeds of operation;

a temperature sensor (42) coupled to said air conditioner system for sensing the temperature of the liquid refrigerant on said inlet side of said expansion orifice; and

a control circuit (34) coupled to said fan and to said temperature sensor for controlling the speed of the fan based on the temperature of the liquid refrigerant.



(Compl. Specn. : 25 pages;

Drgns. : 11 Sheets)

Cl. : 71 F

183327

Int. Cl. : E 02 B 1/02.

## HYDRAULIC PUMP CONTROL SYSTEM.

Applicant : HITACHI CONSTRUCTION MACHINERY CO. LTD., OF 6-2, OTEMACHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

## Inventors :

TOICHI HIRATA  
GENROKU SUGIYAMA  
HIROSHI WATANABE  
SHIGEHIRO YOSHINAGA

Application No. : 481/Cal/95 filed on 28th April, 1995.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 9 Claims

A hydraulic pump control system for use with a hydraulic drive system comprising a variable displacement hydraulic pump (1), a plurality of hydraulic actuators (6-9) driven by said hydraulic pump, a plurality of flow control valves (10-13) of the center bypass type for controlling the dividing of said hydraulic actuators, and a center bypass line (5) connecting the center bypasses of said flow control valves in series, said hydraulic pump control system controlling a displacement volume of said hydraulic pump by using a negative control pressure generated by flow resisting means (20) which is disposed downstream of said center bypass line, said hydraulic pump control system comprising :

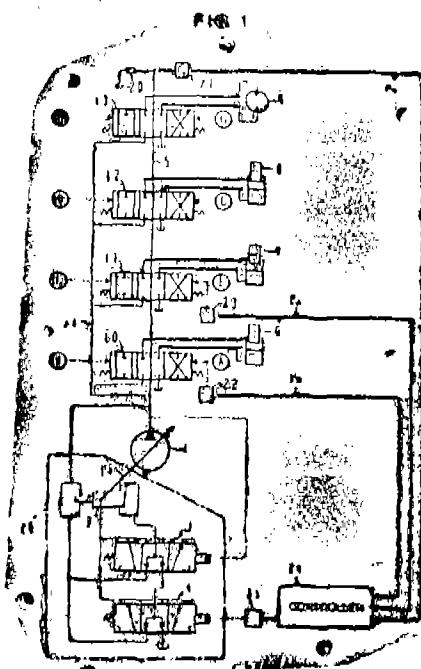
pressure detecting means (21) for detecting the negative control pressure generated in said center bypass line (5),

first target displacement volume calculating means (151) for calculating, based on a detected value of said pressure detecting means, a first target displacement volume of said hydraulic pump (1) in accordance with a preset first characteristic,

at least first control input detecting means (22 of 23) for detecting a control input for operating at least one (6 or 7) of said plurality of hydraulic actuators,

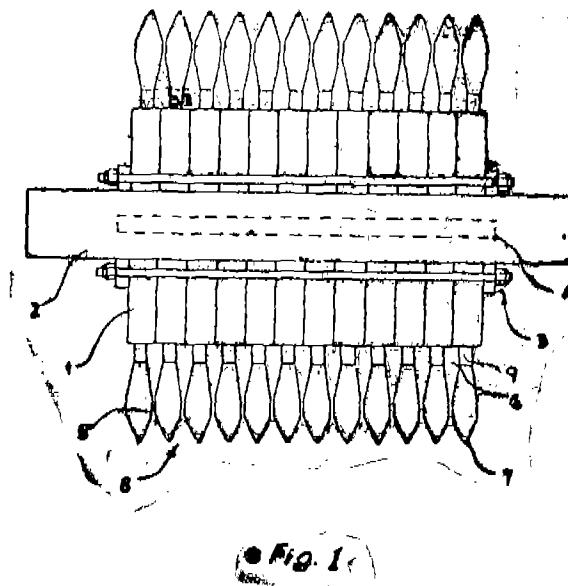
maximum target displacement volume limiting means (152-155) for limiting, depending on the detected value of said first control input detecting means, a maximum value of the first target displacement volume calculated by said first target displacement volume calculating means based on the detected value of said pressure detecting means, and providing a target displacement volume to be output, and

a regulator (26) for controlling the displacement volume of said hydraulic pump in accordance with said target displacement volume to be output.



Compl. Specn. : 33 pages

Drgns. : 7 sheets.



Compl. Specn. : 23 pages

Drgns. : 05 sheets.

Cl. : 94 I 183328

Int. Cl. : C 13 D 1/02, 1/06.

#### AN APPARATUS FOR EXTRACTING JUICE FROM SUGAR CANE.

Applicant : BUNDABERG FOUNDRY ENGINEERS LTD., AN AUSTRALIAN COMPANY GAVIN STREET, BUNDABERG, QUEENSLAND, 4670, AUSTRALIA.

##### Inventors :

RAYMOND JOHN HATT  
DAVID JOHN WILSON  
DRUCE BARRY BATSTONE.

Application No. 889/Cal/97; filed on 19-05-97.

Convention application no. PN 9930 & PO 3356 on 20-05-1996 & 01-11-1996 in Australia & Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

#### 6 Claims

An apparatus for extracting juice from sugar cane, the apparatus comprising a pair of spaced apart counter rotating rolls (21—25) between which the cane is crushed, each roll rotating about a longitudinal axis, the axis of the rolls being parallel to each other, at least one of the rolls having a peripheral juice channel (8, 13) extending about the roll and into which sugar juice can flow, characterized in that, the channel is configured such that a sealing plug of bagasse can form in an upper portion of the channel (8, 13) with a lower portion of the channel (6, 14) left free or holding the juice, bagasse plug removing means (15, 17) to remove the plug of said bagasse to allow the juice to drain from the lower portion of the channel so that the juice does not contact the crushed cane blanket.

Cl. : 67 C

183329

Int. Cl. : H 04 N 7/16.

#### A REMOTE CONTROL UNIT FOR USE WITH A SET TOP TERMINAL.

Applicant : DISCOVERY COMMUNICATIONS, INC., A DELAWARE CORPORATION OF 7700 WISCONSIN AVENUE, BETHESDA MONTGOMERY COUNTY, MARYLAND 20814-3522, UNITED STATES OF AMERICA.

##### Inventors :

- (1) JOHN SAMUEL HENDRICKS
- (2) ALFRED EUGENE BONNER
- (3) RICHARD EARL WUNDERLICH
- (4) ERIC CARL BERKOBIN.

Application No. : 1035/Cal/97 filed on 03-06-97.

Divided out of application No. : 766/Cal/93; Ante-dated to 07-12-93.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

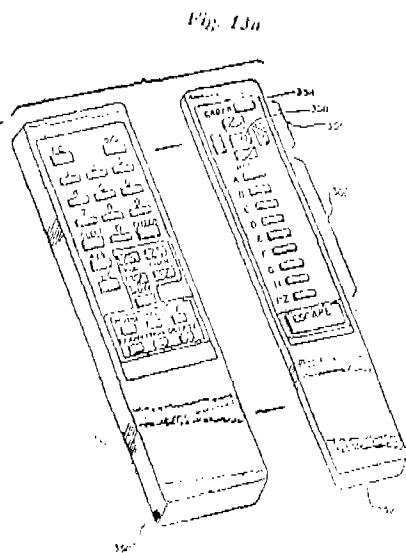
#### 36 Claims

A remote control unit (900) for use with a set top terminal generating a plurality of means, each menu displaying a set of menu options, the plurality of menus divided into at least two levels of menus, a first level of menus and a second level of menus, the remote control unit comprising :

menu select buttons for selecting one of the second level menus, each menu select button representing one of the second level menus, wherein depression of the menu select button that represents the selected second level menu directly accesses that second level menu and bypasses the first level of menus cursor movement means and

means (630) coupled to the menu select buttons, communicating with the set top terminal, wherein selection of one of the menu select buttons is communi-

cated to the set terminal effecting the generating of menu in the set terminal and causing the selected second level menu to be generated.



Compl. Specn. : 98 pages

Drgns. : 32 sheets

Cl. : 54, 55 E4

183330

Int. Cl. : A 61 K 35/78.

**PROCESS FOR PREPARING A AYURVEDIC COMPOSITIONS FOR TREATMENT OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE, BRONCHITIS AND RESPIRATORY DISORDERS.**

Applicant : DALMIA CENTRE FOR BIOTECHNOLOGY, OF 9/38-C, SIRUVANI MAIN ROAD, KALAMPALAYAM, COIMBATORE-641010, TAMIL NADU, INDIA, AN INDIAN INSTITUTE.

Inventor : DR. PANCHAPAGESA MUTHUSWAMY MURALI.

Application No. : 475/Cal/98; filed on 23-03-98.

Complete after provisional left on 12-3-99.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 18 Claims

A process of preparing a Ayurvedic composition for the treatment of chronic obstructive pulmonary disease (COPD), bronchitis and respiratory disorders comprising the following steps, each plant material being treated individually until the mixing step :

- washing and cleaning plant materials selected from of Bryonia, Ipecacuanha and Drosera,
- surface sterilizing the said plant materials with sodium hypochlorite standard and drying,
- cutting the dried plant materials into small pieces,
- grinding and pulverizing the said plant materials and
- extracting the said ground and pulverized plant materials in a polar solvent and evaporating the said solvent under vacuum to get the extracted materials in powder form,
- mixing 75%—100% by weight of at least two of the said extracted materials with antimony potassium tartarate to a total of 100% by weight to prepare the desired composition.

Compl. Specn. 31 Pages  
Provisional : 11 Pages

Drgns. : Nil sheets

Ind. Cl. : 132 A

183331

Int. Cl. : A 61 K 9/20.

**A PROCESS FOR THE PREPARATION OF SUSTAINED RELEASE TABLET FORMULATION OF VERAPAMIL HYDROCHLORIDE IN TABLET FORM.**

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA (AN INDIAN REGISTERED BODY, INCORPORATED UNDER REGISTRATION OF SOCIETIES ACT, 1860 (XXI OF 1860).

## Inventors :

ANIL KUMAR DWIVEDI  
DEEPA KULKARNI AND  
SATYAWAN SINGH, INDIA.

## Kind of Application : Complete.

Application for Patent No. 433/Del/95 filed on 14th March, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

## 6 Claims

A process for the preparation of sustained release tablet formulation of verapamil hydrochloride in tablet form which comprises micronising verapamil hydrochloride, intimately mixing 25 to 55% of verapamil hydrochloride with 45 to 75% of micronised tamarind seed polyose & polysaccharide such as ethyl hydroxy ethyl cellulose, hydroxy propyl methyl cellulose or mixture thereof in presence of a lubricating agent such as magnesium stearate talc in the range of 0.5 to 2% for a period of 0.5 to 1 hour, compressing the resultant mixture in a mould to form tablets and packing in amber coloured strip packing or blister packing if desired.

(Compl. Specn. : 10 pages

Drgns. : Nil)

Ind. Cl. : 55 E, 32 F<sub>2</sub>b

183332

Int. Cl. : C 07 D 209/04, A 61 K 31/00

**A PROCESS FOR THE SYNTHESIS OF MIXTURE OF NOVEL (1R, 3S) AND (1S, 3S)-ALKYL 1-SUBSTITUTED-1, 2, 3, 4-TETRAHYDRO-9H-PYRIDO (3, 4-B) INDOLE-3-CARBOXYLATES.**

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.

## Inventors :

MRIDULA SAXENA, INDIAN.  
RAVISH CHANDRA TRIPATHI, INDIAN.  
ANIL KUMAR SAXENA, INDIAN.  
GYANENDRA KUMAR PATNAIK, INDIAN.

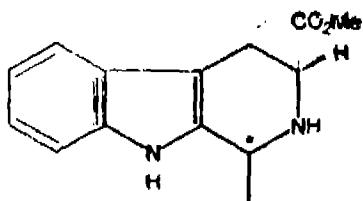
Application for Patent No. 441/Del/95 filed on 14-3-95.

Complete left after Provisional Specification on 5-7-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

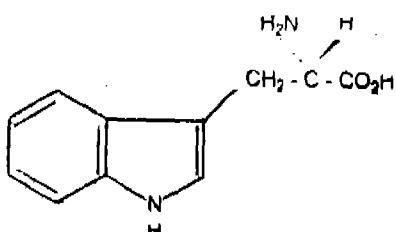
## 4 Claims

A process for the synthesis of mixture of novel (1R, 3S) and (1S, 3S)-alkyl 1-substituted-1, 2, 3, 4-tetrahydro-9H-pyrido (3, 4-b) indole-3-carboxylates of the formula 3



3

shown in the accompanying drawing of the provisional specification where R=aryl, halo, alkoxy, nitro alkanyl phenyl which comprises condensing the methyl ester hydrochloride of L-tryptophan of formula 1



1

with appropriate arylaldehyde of formula 2

R C H O

where R has the meaning given above in aq. lower aliphatic alcohol in presence of HCl at the temperature ranging from 60 to 100°C for a period of 6 to 14 hours to produce the mixture of corresponding (1R, 3S) and (1S, 3S)-1 substituted-1, 2, 3, 4-tetrahydro-9H-pyrido (3, 4-b) indole-3-carboxylates of the formula 3 recovering the said isomer carboxylates by known chromatographic methods if desired.

(Prov. 6 Pages;

Drgns. Nil Sheets).

(Compl. 8 Pages;

Drgns. 1 Sheet).

Ind. Cl. : 32F<sub>2</sub>(.) & 55E<sub>4</sub>

183333

Int. Cl.<sup>4</sup> : C 07 D 249/00 & A 61 K 31/00

## A PROCESS FOR THE PREPARATION OF TRIAZOLE DERIVATIVES OF PHARMACOLOGICAL INTEREST.

Applicant : INDIAN DRUGS & PHARMACEUTICALS LTD. JDPL COMPLEX, DUNDAHERA, DELHI-GURU GOAN ROAD, GURGAON-122016, INDIA, AN INDIAN GOVERNMENT ORGANIZATION.

## Inventors :

DR. OM PRAKASH BANSAL  
DR. CHEBOLU SRIKRISHNA  
DR. KAMESH RASTOGI  
DR. SURESH CHANDRA CHATURVEDI &  
MR. BARATULA ESWAR RAO (INDIANS).

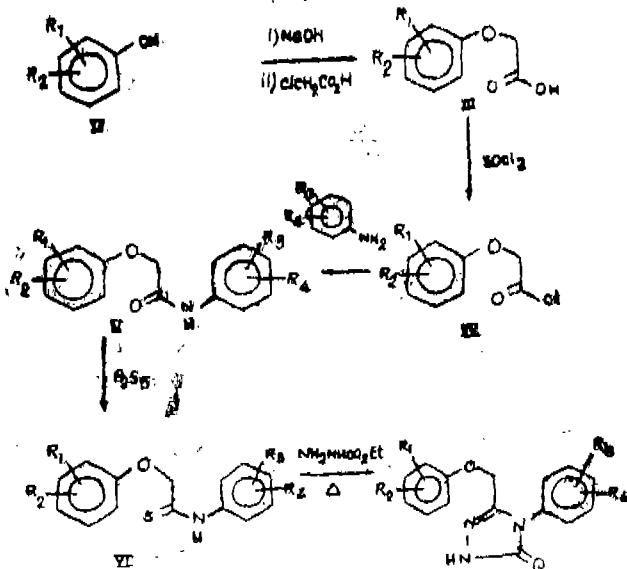
Kind of application : Complete.

Application for Patent No. 459/Del/95 filed on 15-3-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

## 4 Claims

A process for the preparation of triazole derivatives of pharmacological interest of general formula I of the accompanying drawing wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> represent hydrogen, lower straight or branched chain alkyl groups of 1-4 carbon atoms, an alkoxy group of 1-4 carbon atoms as defined above, halogen like fluoro, chloro, bromo, iodo and/or nitro group optionally substituted in the benzene ring at o, m and/or p positions comprising subjecting the phenol of formula II with monohaloacetic acid in presence of aqueous alkali metal hydroxide to 5-15% w/v concentration at about 40-90°C to get the compounds of general formula III, reacting said compounds of formula III with a chlorinating agent to provide substituted aryloxy acetyl chlorides of general formula IV, treating said aryloxy acetyl chlorides of general formula IV with substituted anilines in nonpolar organic solvents like aromatic hydrocarbon or halogenated lower hydrocarbon at 40-100°C to obtain the substituted acetamides of formula V, reacting said acetamides of formula V with a thiating reagent like phosphorus pentasulphide in a water miscible aprotic organic solvent such as cyclic alkyl ethers or lower alkyl cyanides at 50-100°C in the presence of hexamethyl phosphoramide (HMPA) to result in the formation of thiocetamides of general formula VI wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> in all the above formula have the same meaning as described earlier and then subjecting said compound of formula VI to cyclocondensation with lower alkyl carbazate like ethyl carbazate without solvent to produce the triazole derivatives of general formula I.



Agent : L. S. Davar &amp; Co.

Compl. Specn. 19 Pages;

Drgns. 1 Sheet.

Ind. Cl. : 32 B

183334

Int. Cl.<sup>4</sup> : C 07 - 9/08

## AN IMPROVED PROCESS FOR THE SYNTHESIS OF 1-CHLORO-3-[2-OXOPYRROLIDIN-1-YL] PROPANE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.

## Inventors :

NEELIMA SINHA, INDIAN.  
SANJAY JAIN, INDIAN.  
ANIL KUMAR SAXENA, INDIAN.  
NITYA ANAND, INDIAN.

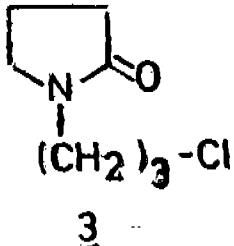
Kind of Application : Provisional Specification—Complete Specification.

Application for Patent No. 495/Del/95 filed on 17-8-95  
Complete left after Provisional Specification filed on 17-08-95.

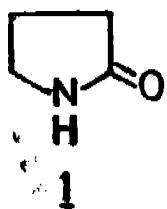
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

## 8 Claims

An improved process for the preparation of 1-chloro-3-(2-oxopyrrolidin-1-yl) propane of the formula 3



which comprises reacting 2-pyrrolidone of formula 1



with 1-bromo-3-chloropropane of the formula 2



in the presence of dry aromatic solvent and base such as herein described at a temperature in the range of 110—150°C for a period ranging from 80 minutes to 14 hours.

Agent :

Prov. 4 Pages;

Drgs. 1 Sheet.

Compl. Specn. 7 Pages;

Drgs. Nil Sheet.

Ind. Cl. : 189 A

183335

Int. Cl.<sup>4</sup> : A 61 K, 7/02

## A COSMETIC EMULSION COMPOSITIONS.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED UNDER THE LAWS, OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO, UNITED STATES OF AMERICA.

Inventors :

MOTLEY, CURTIS BOBBY, U.S.A.  
RALEIGH, PATRICIA SUE, U.S.A.

Kind of Application : Complete.

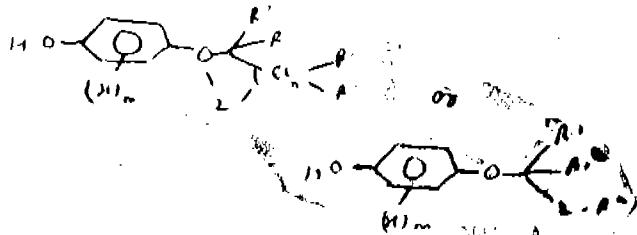
Application for Patent No. 592/Del/1995 filed on 30th March, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

## 5 Claims

A cosmetic emulsion composition comprising :

- (1) from 5 to 25% of an oil phase of the kind herein described;
- (2) an active compound, preferably from 0.1% to 10%, more preferably from 1.0% to 3.0% of the composition, of deoxyarbutin corresponding to the formulas



wherein :

- (a) each X is, independently, selected from the group consisting of halogen, alkyl, aryl, OR, OCOR, COR, CONR<sub>2</sub>, COOR, CN, SR and NR<sub>2</sub>;
- (b) each R is independently, selected from the group consisting of hydrogen, alkyl, and aryl;
- (c) m is an integer from 0 to 4;
- (d) each R'' is, independently, selected from the group consisting of hydrogen, halogen, alkyl, aryl, COR, CONR<sub>2</sub>, COOR, CN, SR, and NR<sub>2</sub>;
- (e) each R' is, independently selected from the group consisting of hydrogen, halogen, alkyl, aryl, OR, OCOR, COR, CONR<sub>2</sub>, COOR, CN, SR and NR<sub>2</sub>;
- (f) n is an integer from 1 to 4;
- (g) Z is selected from the group consisting of O, NR, S, SO, SO<sub>2</sub> and PO<sub>3</sub>; and
- (h) R'' is alkyl or  $\text{CH}_2\text{CH}_2\text{OCH}_3$ ;
- (3) an aqueous phase containing upto 25% of buffer having a pH from 3 to 12 to eliminate hydrolysis of said active compound during the production and storage of the said emulsion composition; and
- (4) the balance being an emulsifier;

Agent : Lall Lahiri & Salhotra.

(Compl. Specn. 16 Pages;

Drgs. Sheet Nil).

Ind. Cl. : 189 A

183335

Int. Cl.<sup>4</sup> : A 61 K, 31/185.

Ind. Cl. : 55 E

183336

A PROCESS FOR PREPARATION OF BRYONOLIC ACID FROM TETRAMELES NUDIFLORA BARK AND LEAVES.

Applicant : DIRECTOR, FOREST RESEARCH INSTITUTE P.O. NEW FOREST, DEHRADUN-248006, AN INDIAN NATIONAL.

Inventors :

DR. RAMESHWAR DAYAL—INDIA  
SHRI PREM CANDRA DOBHAL—INDIA  
DR. RAKESH SHUKLA—INDIA &  
DR. GYANENDRA KUMAR PATNAIK—INDIA.

Kind of Application : Complete.

Application for Patent No. 1015/Del/95 filed on 2-6-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

## 5 Claims

A process for the preparation of bryonolic acid having pharmaceutical properties comprising drying Tetrameles Nodiflora bark and leaves, subjecting the dried bark and leaves to the steps of selective extraction with non polar and polar solvents, concentrating the extracts, containing bryonolic acid fractions at a temperature below 10°C to obtain a solidified extract, subjecting the solidified extract to the step of filtration and crystallization to obtain bryonolic acid.

Agent : L. S. Daver & Co.

Compl. Specn. 8 pages

Drawg sheet Nil

Ind. Cl. : 55E, 60X(2b)

183337

Int. Cl. : A 61 K, 31/00.

**A PROCESS FOR THE PREPARATION OF A STABLE TAXINE CONTAINING OIL EMULSION.**

Applicant : HEMAGEN/PFC, OF 11810 BORMAN DRIVE, ST. LOUIS, MISSOURI 63146, UNITED STATES OF AMERICA.

Inventors : ROBERT JOHN KAUFMAN—U.S.A., THOMAS JOSE RICHARD—U.S.A. AND RALPH WADE FUHRHOP—U.S.A.

Kind of Application : Complete

Application for Patent No. 1139/Del/1995 filed on 19th June, 95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

## 8 Claims

A process for the preparation of a stable taxine containing oil emulsion comprising 0.1 to 1% of taxine such as herein described, 1 to 40% of oil of the kind such as hereinbefore described, 0.5 to 5% of surfactant of the kind such as hereinbefore described ; all on percentage by weight basis of emulsion and balance, if any, one or more conventional additives such as herein described, said process comprising the steps of ;

dissolving a taxine in a solution of said oil and a co-solvent of the kind such as herein described for said taxine.

removing said co-solvent in a manner such as herein described to form a solution of said taxine in said oil ; forming an emulsion of said taxine and oil solution in water ; and

homogenizing said emulsion, if desired, with said surfactant to provide a stable oil-in-water emulsion.

Agent : Remfry & Sagar.

Compl. Specn. 23 pages

Drawg sheet Nil

Ind. Cl. : 32F (2b)

183338

Int. Cl. : C 07 D, 213/127

**A PROCESS FOR THE PREPARATION OF N-(2-PYRIDYL)- $\alpha$ -BROMOPALMITAMIDE.**

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY, INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors :

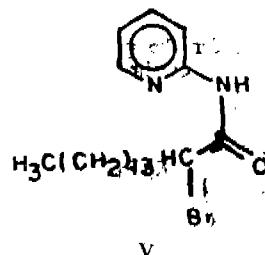
ARCADE NARSHINHA PANDITRAO &  
NAIK RAJAN HIRALAI, INDIA.

Application for Patent No. 1214/Del/95 filed on 30-06-1995.

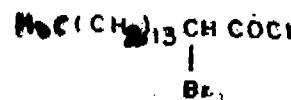
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

## 5 Claims

A process for the preparation of N-(2-pyridyl)- $\alpha$ -bromopalmitamide of the formula (V),



which comprises reacting a mixture of 2-amino pyridine and triethylamine with  $\alpha$ -bromopalmityl chloride of the formula (III).



in presence of solvent at a temperature ranging from 20 to 35°C for the period ranging from 30 to 60 minutes removing the solvent and eluting the resulting residue chromatographically using a mixture of petroleum ether and diethyl ether (80 : 20) to obtain N-(2-pyridyl)- $\alpha$ -bromopalmitamide of the formula (V),

Agent :

Compl. Specn. 6 Pages;

Drawg. 1 Sheet.

Ind. Cl. : 32 F (2b)

183339

Int. Cl. : C 07 D, 213/65

**A PROCESS FOR THE PREPARATION OF O, O-DIETHYL-O-3, 5, 6-TRICHLORO-2-PYRIDYL PHOSPHOROTHIOATE.**

Applicant : MONTARI INDUSTRIES LIMITED, AN INDIAN COMPANY OF 78 NEHRU PLACE, NEW DELHI-110019.

Inventors :

SUDHIR KUMAR SHARMA,  
DR. INDER KUMAR PANDEY,  
DR. SUNDARESAN MADHUSOODANAN,  
DR. RAJARAM &  
DR. RAJEEV KUMAR SHARMA, INDIA.

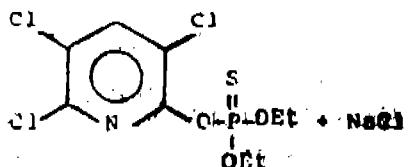
Kind of Application : Complete.

Application for Patent No. 13007/Del/95 filed on 13th July, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

9 Claims

A process for the preparation of 0, 0-diethyl-3, 5, 6-trichloro-2-pyridyl phosphorothioate of the structural formula I comprising :



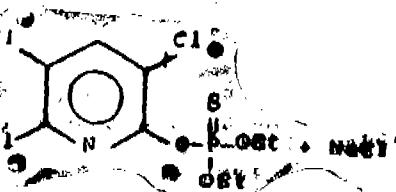
FORMULA - I

condensing alkali metal salt of 3,5, 6-trichloro pyridin-2-01 with diethyl chlorothiophosphate, employed at 1.0-1.25 molar ratio with respect to the alkali metal salt of 3, 5, 6-trichloropyridin-2-01, in presence of an organic solvent as herein described and a catalyst such as anhydrous alkali metal carbonate, the concentration of the catalyst varying between 1 and 10 mole percent, at a temperature of 40 to 57°C and if desired isolating the said product using a water immiscible inert solvent as herein described.

Agent : The ACME Company.

Compl. Specn. 7 Pages;

Drgs. 1 Sheet.



FORMULA - II

condensing alkali metal salt of 3,5, 6-trichloro pyridin-2-01 with diethyl chlorothiophosphate, at a molar ratio of 1.0-1.25:1 with respect to the alkali metal salt of 3, 5, 6-trichloropyridin-2-01, in presence of an organic solvent as herein described and a mixed catalyst at a temperature ranging from room temperature to 57°C

- said mixed catalyst consisting of an anhydrous alkali metal carbonate along with PEG 400 (polyethylene glycol) and 1, 4 diazabicyclo-[2.2.2], the concentration of metal carbonate ranging between 1-10 mole percent, concentration of PEG-400 ranging between 0.1-5 mole percent and the concentration of 1, 4 diazabicyclo-[2.2.2] octane ranging between 0.1-5 mole percent with respect to the alkali salt of 3, 5, 6-trichloropyridin-2-01.

Agent : Anand & Anand.

Ind. Cl. 32 F 1

183340

Int. Cl. : A 01 N 5/00

#### A PROCESS FOR THE PREPARATION OF 0, 0-3, 5, 6 TRICHLORO-2-PYRIDYL PHOSPHOROTHIOATE.

Applicant : MONTARI INDUSTRIES LIMITED, AN INDIAN COMPANY OF 78 NEHRU PLACE, NEW DELHI-110019.

Inventors :

SUDHIR KUMAR SHARMA, INDIAN.

DR. INDER KUMAR PANDEY, INDIAN.

DR. SUNDERASAN MADHUSOODANAN, INDIAN.

DR. RAJARAM, INDIAN &

DR. RAJEEV KUMAR SHARMA, INDIAN.

Kind of Application : Complete.

Application for Patent No. 1308/Del/95 filed on 13th July, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

PATENT SEALED ON 22-10-99

179215 182115\*D 182331 182345 182372 182380\*F 182393  
 182415\* 182417\* 182424\* 182426\* 182428\*D 182429\*F  
 182441\*D 182442\*D 182444\*D 182445\*D 182446\*D  
 182449\*D 182457 182460\*F

CAL—09, DEL—06, MUM—02, CHEN—04.

\*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents

F—Food Patents

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration included in the entries.

**Class 3.** No. 178419. Polyprint Industries of 46, Ramgopal Industrial Estate, Dr. Rajendra Prasad Road, Mulund (West), Mumbai-400080, a Proprietary Firm. "Container". January 5, 1999.

**Class 3.** No. 178694. Linc Pen & Plastics Ltd., Indian Company, 3, Alipore Road, 1st flr., Calcutta-700027, W.B., India. "Pen". February 9, 1999.

**Class 3.** No. 178772. S. C. Johnson & Son at 1525 Howe Street, Racine Wisconsin-53403-2236, USA. "Bottle". February 18, 1999.

**Class 3.** Nos. 178797 & 178798. Linc Pen & Plastics Ltd., Indian Company of 3, Alipore Road, 1st flr., Calcutta-700027, W.B., India. "Pen". Feb. 22, 1999.

**Class 3.** No. 178837. Keselec India Pvt. Ltd. of Keselec Schreder Divn. of 69, Friends Colony, West, Mathura Road, New Delhi-110065, India. "Lighting Pole". February 24, 1999.

**Class 3.** Nos. 178857 to 178859. Flora Ball Pens Pvt. Ltd., an Indian Pvt. Ltd. Company of 22, Bonefield Lane, Calcutta-700001, W.B., India. "Pen". February 25, 1999.

**Class 1.** No. 178660. Mahajan Plastic Industries, Indian Partnership Firm of B-70/59, Lawrence Road, (DSIDC), Delhi-110035, India.

A. E. AHMED  
Controller General of Patents,  
Designs and Trade Marks.